What is claimed:

1. In an engine having a spark plug with an insulator including a terminal connected with an ignition wire and an elastomeric boot covering the insulator, the terminal and the adjacent ignition wire, a charge dissipative cover for protecting against corona and static charges comprising: a tubular sheath of woven fiberglass strands having an interior socket for receiving said insulator and said boot, said socket having a constricted mouth at a lower end for engaging said insulator and an open upper end for receiving said ignition wire; a coating system adhered to at least the outer surface of said sheath and comprising a first layer adhered to said outer surface and a second layer adhered to said first layer, said first layer comprising a silicone-based coating containing by weight of said first coat about 15 to 35 percent aluminum flake having a particle size establishing electrical conductivity in said first coat at a low break down voltage, said second layer including ceramic pigment in an amount providing thermal resistance for said sheath and a dielectric resistance for said second layer.

2. A protective cover for the spark plug boot connected with an ignition wire and spark plug of an engine, comprising: a single length of woven glass tubular sleeve having an inner layer and an outer layer gathered at one end around a circular retainer ring and forming a restricted mouth with a lower opening, said mouth being slidably received over the insulator of said spark plug, the other ends of said inner layer and said outer layer forming an upper opening of a pocket extending between said lower opening and said upper opening, said pocket receiving said spark plug boot and adjacent ignition

wire; a coating system on said outer layer including a silicone-based base coat containing metallic particulate in sufficient quantity to make said base coat conductive for grounding static and corona charges in said ignition wire.

3. The cover as recited in claim 2 wherein said metallic particulate is aluminum flake.

4. The cover as recited in claim 3 wherein said aluminum flake has a particle size providing a low break down voltage in said base coat.

5. The cover as recited in claim 4 wherein said aluminum flake has a particle size of around 50 microns.

6. The cover as recited in claim 5 wherein said aluminum flake is about 15 to 35 % by weight of said base coat.

7. The cover as recited in claim 6 wherein said aluminum flake is about 25 to 30% by weight of said base coat.

8. The cover as recited in claim 3 including a topcoat overlying said base coat and containing refractive particles providing dielectric and thermal resistance properties to said top coat dielectric.

9. The cover as recited in claim 8 wherein said refractive particles are ceramic pigments.

10. The cover as recited in claim 9 wherein said ceramic pigments provide a contrasting coloration to said base coat.

11. The cover as recited in claim 9 wherein said ceramic pigments provide infrared reflectivity to said top coat.

12. The cover as recited in claim 11 wherein said ceramic pigments comprise about 10 to 45 % by weight of said top coat.

13. The cover as recited in claim 11 wherein said spark plug is carried in a recessed port in said engine and said mouth of said sleeve is smaller than said port for reception therein.